

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference e-1939/03	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IT 03/00813	International filing date (day/month/year) 12/12/2003	(Earliest) Priority Date (day/month/year)
Applicant CONSIGLIO NAZIONALE DELLE RICERCHE		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1

☐ None of the figures.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L51/20 H01L51/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 278 757 A (EASTMAN KODAK CO) 17 August 1988 (1988-08-17) example 1	1,8, 16-19
X	----- PATENT ABSTRACTS OF JAPAN vol. 0071, no. 44 (E-183), 23 June 1983 (1983-06-23) & JP 58 056479 A (HOYA DENSHI:KK), 4 April 1983 (1983-04-04) abstract	1,8-10
X	----- US 5 929 561 A (ABIKO HIROSHI ET AL) 27 July 1999 (1999-07-27) figure 2 ----- -/--	1,8,9, 16-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

3 August 2004

Date of mailing of the international search report

01/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JUNG S ET AL: "Surface treatment effects of indium-tin oxide in organic light-emitting diodes" OPTICAL MATERIALS, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 21, no. 1-3, January 2003 (2003-01), pages 235-241, XP004395428 ISSN: 0925-3467 the whole document	1,8, 16-19
X	JIA-MING LIU ET AL: "Studies on modifications of ITO surfaces in OLED devices by Taguchi methods" MATERIALS SCIENCE & ENGINEERING B (SOLID-STATE MATERIALS FOR ADVANCED TECHNOLOGY), vol. B85, no. 2-3, 22 August 2001 (2001-08-22), pages 209-211, XP002290984 ELSEVIER, SWITZERLAND ISSN: 0921-5107 the whole document	1
A	WO 01/45182 A (GUENTHER EWALD KARL MICHAEL ; CHUA SOO JIN (SG); ZHU FURONG (SG); INFI) 21 June 2001 (2001-06-21) the whole document	8-13

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0278757	A	17-08-1988	US 4885211 A	05-12-1989
			CA 1291551 C	29-10-1991
			DE 3856065 D1	18-12-1997
			DE 3856065 T2	10-06-1998
			EP 0278757 A2	17-08-1988
			JP 2015595 A	19-01-1990
			JP 2723242 B2	09-03-1998

JP 58056479	A	04-04-1983	JP 1398626 C	07-09-1987
			JP 62008038 B	20-02-1987

US 5929561	A	27-07-1999	JP 9245965 A	19-09-1997

WO 0145182	A	21-06-2001	WO 0145182 A1	21-06-2001
			AU 1904100 A	25-06-2001
			DE 19983995 T0	30-01-2003
			JP 2003517183 T	20-05-2003

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